

United States Customs Service - New World, New Challenges

Office of Information and Technology
Applied Technology Division
John J. Pennella, Executive Director





Outline of Presentation

OIT/ATD

- Background & Operational Environment
- Current Capabilities
- Challenges
- Future Activities



Background

OIT/ATD

- Customs Mission:
 - We are the protectors of our Nation's borders -- America's frontline.
 - We serve and protect the American Public with integrity, innovation and pride.
 - We enforce the laws of the United States, safeguard the revenue, and foster lawful international trade and travel.

- Organization:
 - Headquarters
 - Over 900 Field Locations
 - Over 300 Ports of Entry
 - 34 Foreign Offices
 - Over 19,000 employees



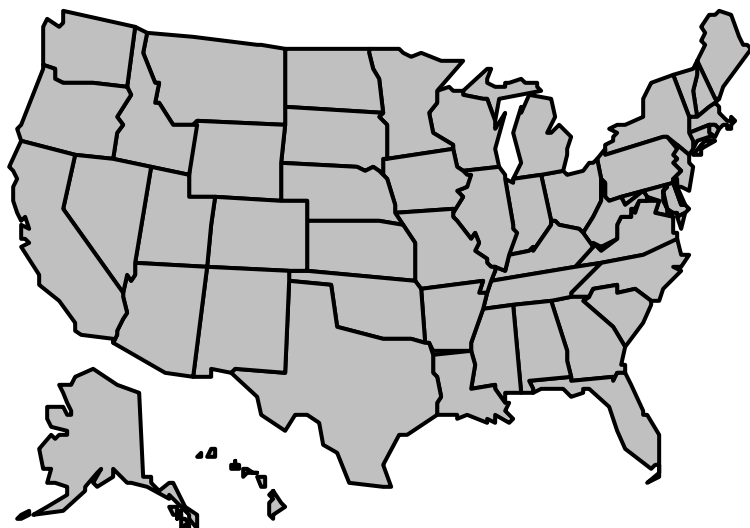
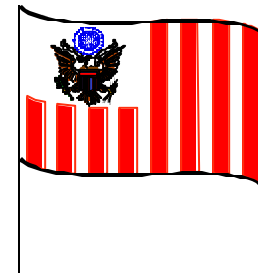
On a Typical Day...

OIT/ATD

- The U.S. Customs Service examines:
 - Over 1.3 Million Passengers
 - Over 355,004 Vehicles
 - Over 50,889 Trucks/Containers
 - 588 Vessels
 - 2,642 Aircraft
- and seizes the following amounts:
 - 5,059 pounds of Narcotics
 - \$222,803 in Conveyances
 - \$525,791 in Merchandise
 - \$443,907 in Currency



FISCAL YEAR 2001 WINDOWS OF INTERDICTION OPPORTUNITY (National Statistics)



LAND



387,862,588



129,576,724



2,257,608

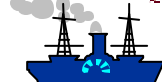


11,186,909

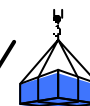
SEA



11,281,774



214,610



5,709,974

AIR



79,674,743



839,221



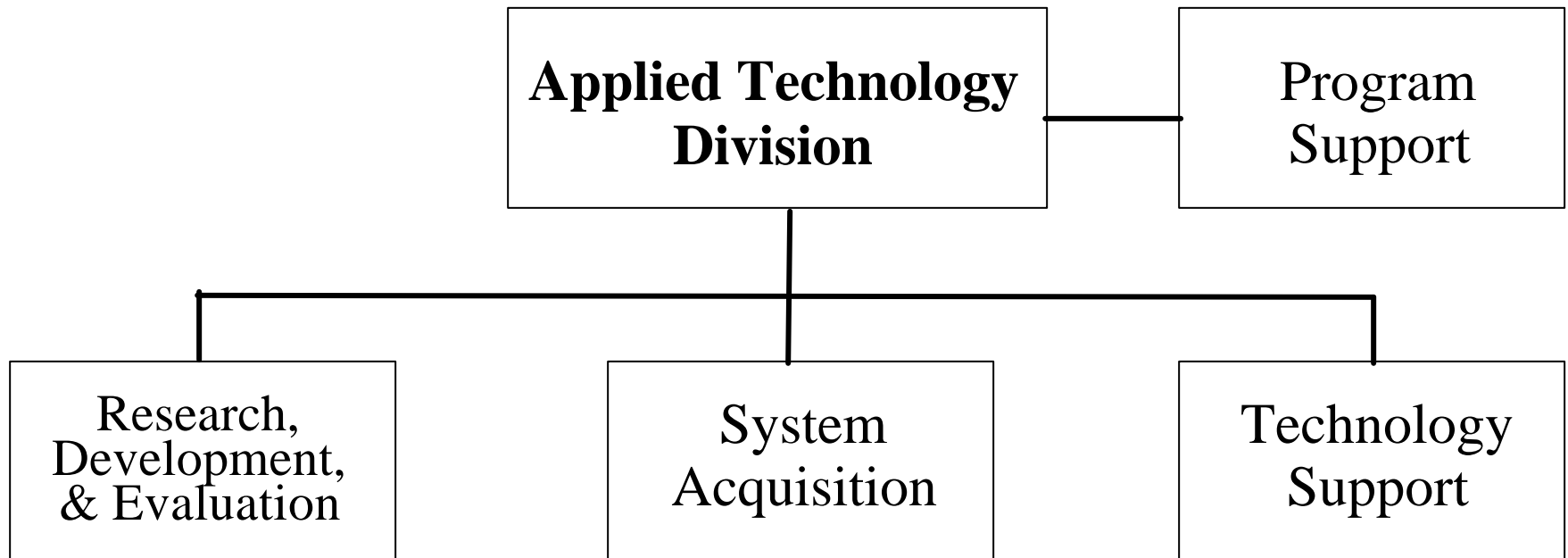
125,226



ATD Mission

OIT/ATD

Identify, Develop, Acquire, Deploy, and Support Advanced Technical Solutions to Meet the Operational Needs of Our Customers in the U.S. Customs Service





Current Inspection Process

OIT/ATD

- Risk Management
 - Insufficient resources exist for 100% intensive inspection
 - Concentrate on higher risk and random selection
- Layered Approach to Interdiction Zone
 - Pre-primary review passenger & cargo manifests
 - Primary interview and inspection
 - Secondary (intensive) inspection
 - Departure interview



Container Security Initiative (CSI)

OIT/ATD

Objective: Target and screen containers at Mega-Ports before container reaches port of final destination

Key Elements:

- Establish Security Criteria for Identifying High-risk Containers
- Pre-screen Containers at the Earliest Possible Point
- Use *Technology* to Quickly Pre-screen High-risk Containers
- *Develop Secure and "Smart" Containers*



Top 20 Mega-Ports

OIT/ATD

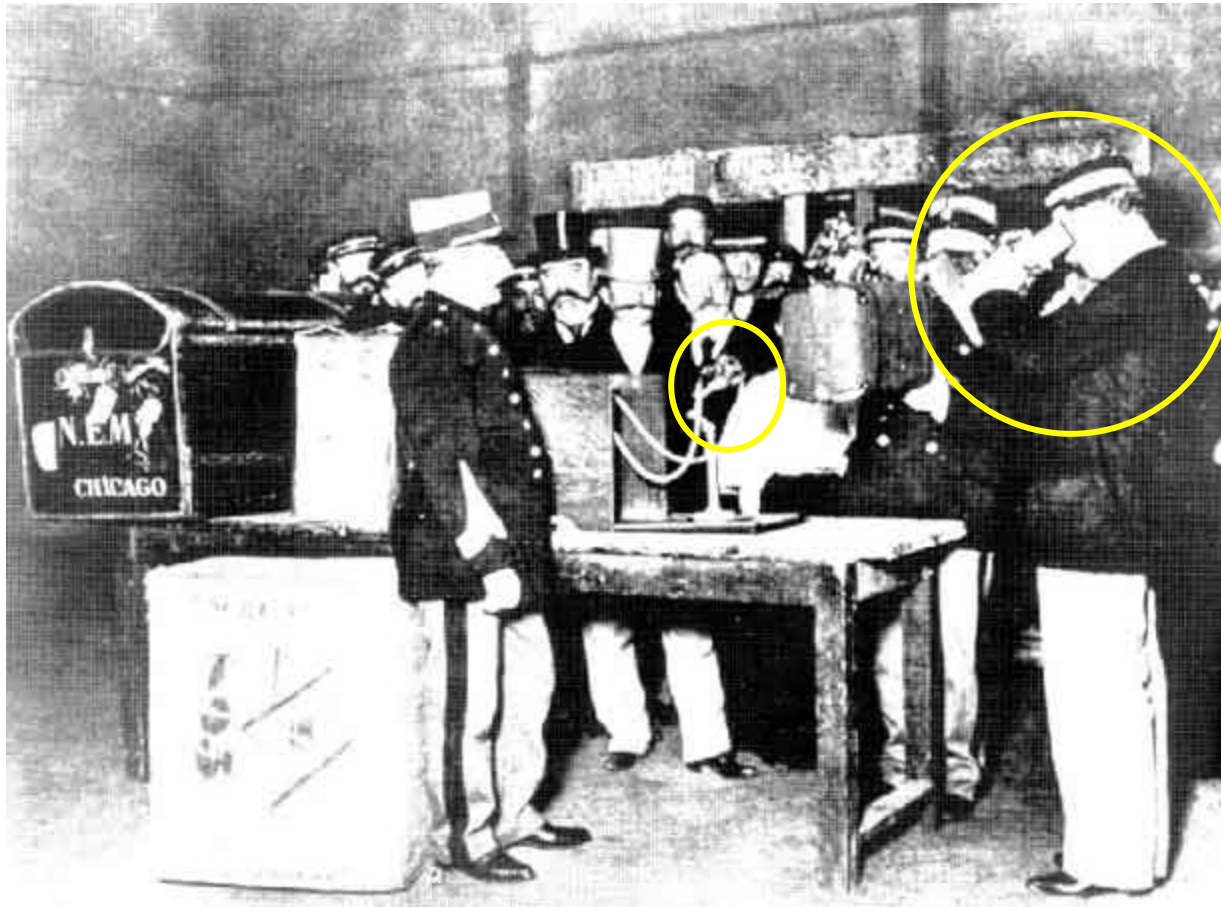
1. Hong Kong	9.8%	11. Antwerp	2.0 %
2. Shanghai	5.8%	12. Nagoya	1.9%
3. Singapore	5.8%	13. Le Havre	1.9%
4. Kaohsiung	5.6%	14. Hamburg	1.8%
5. Rotterdam	5.1%	15. La Spezia	1.7%
6. Pusan	5.0%	16. Felixstowe	1.7%
7. Bremerhaven	4.5%	17. Algeciras	1.6%
8. Tokyo	2.8%	18. Kobe	1.6%
9. Genoa	2.1%	19. Yokohama	1.5%
10. Yantian	2.0%	20. Laem Chabang	1.4%



Inspection Technologies

We've come a long way...

OIT/ATD



Turn of the 20th Century Non-Intrusive Inspection at
a Paris Train Station

TRADITION ★ SERVICE ★ HONOR



Inspection Technologies

OIT/ATD



TRADITION ★ SERVICE ★ HONOR



X-ray Imaging Technologies

OIT/ATD



TRADITION ★ SERVICE ★ HONOR



Gamma-ray Imaging Technologies

OIT/ATD



Photos courtesy of SAIC

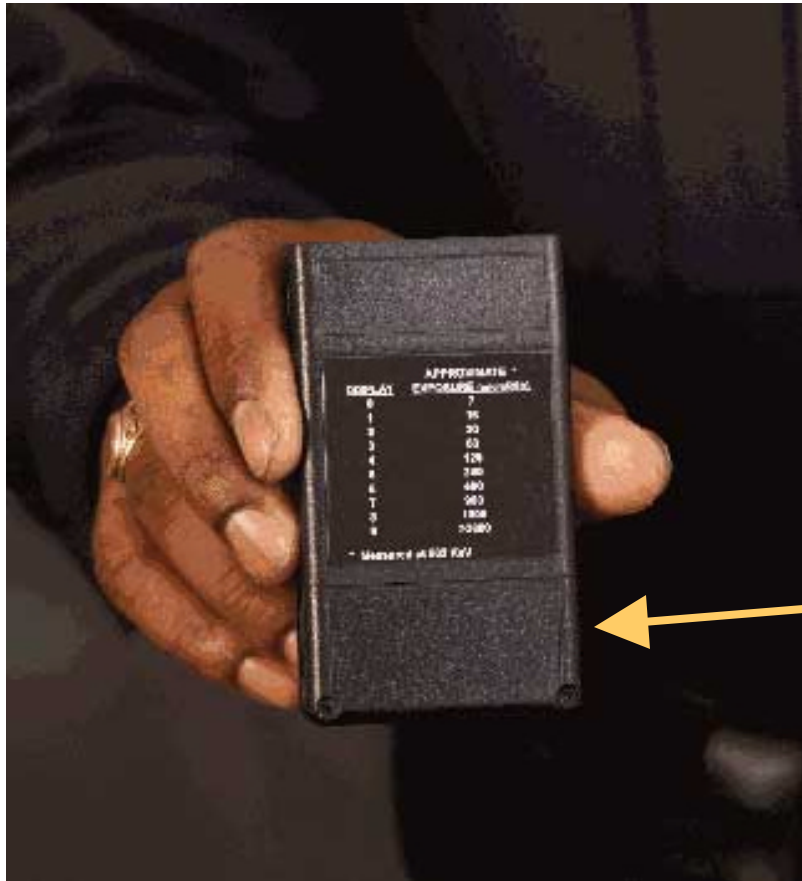


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Personal Radiation Detector (Pager)

OIT/ATD





Particle & Vapor Detection Systems

OIT/ATD



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Current Areas of Investigation

OIT/ATD

■ Non-Intrusive Inspection

- WMD Detection Research & Equipment Evaluations
- Material Detection & Identification Technology
- NII System Evaluation Support

■ Enforcement Support

- Hand-Held Computer/PDA Evaluations
- Biometrics Technology
- Smart Container Initiative

■ Surveillance & Interdiction Support

- Ground and Maritime Sensors
- Global Tagging & Tracking Systems
- Surveillance Systems Developments



Radiation Detection Systems

OIT/ATD

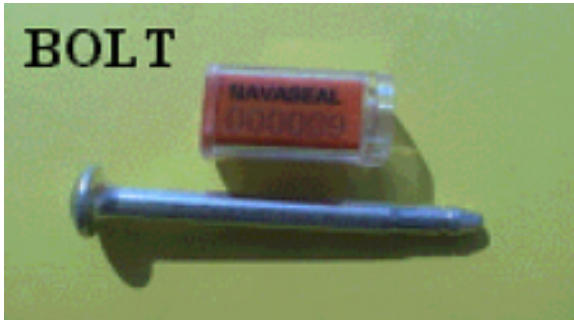


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Smart Container/Seal Technology

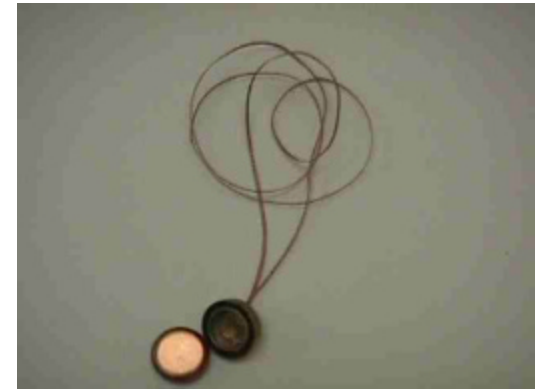
OIT/ATD



BOLT



SECURITY TAPE



Smart & Secure Containers
FedBizOps
Solicitation #: 2002-1000
Posted: June 5, 2002



Summary

OIT/ATD

- Address emerging terrorist threats by maintaining focus on training, automation, border security, high impact investigations...
- Facilitate flow of commerce and travelers—identify, disrupt & dismantle entities that threaten that flow
- Maintain forward thinking & creative approach to deployment of technology & automation



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Contact Information

OIT/ATD

John J. Pennella
Executive Director, Applied Technology
U.S. Customs Service
1300 Pennsylvania Ave., NW
Suite 1575
Washington, DC 20229

(Tel) 202-927-1420

(Fax) 202-927-1418

john.j.pennella@customs.treas.gov